

# PCB terminal block - MKDSP 1,5/4 - 1730036

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PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 4, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green



The figure shows a 10-position version of the product

#### **Product Features**

- ✓ With 2.3 mm Ø test connection
- Single-row PCB terminal blocks for conductor cross sections up to 1.5 mm²
- 5.0 or 5.08 mm pitch



### Key commercial data

Packing unit	1 pc	
GTIN	4 017918 026134	
Weight per Piece (excluding packing)	5.84 GRM	
Custom tariff number	85369010	
Country of origin	Germany	

#### Technical data

#### **Dimensions**

Length	11.15 mm
Pitch	5 mm
Dimension a	20 mm
Pin dimensions	0,9 x 0,9 mm
Hole diameter	1.3 mm

#### General

Range of articles	MKDSP 1,5



# PCB terminal block - MKDSP 1,5/ 4 - 1730036

## Technical data

#### General

Rated surge voltage (III/3)       4 kV         Rated surge voltage (III/2)       4 kV         Rated voltage (III/3)       250 V         Rated voltage (III/2)       400 V         Rated voltage (III/2)       630 V         Connection in acc. with standard       EN-VDE         Nominal current IN       17.5 A         Nominal cross section       1.5 mm²         Maximum load current       22 A         Insulating material       PA         Solder pin surface       Sn         Inflammability class according to UL 94       V0         Internal cylindrical gage       A1         Stripping length       7 mm         Number of positions       4		,
Rated surge voltage (III/2)         4 kV           Rated surge voltage (III/2)         4 kV           Rated voltage (III/2)         250 V           Rated voltage (III/2)         400 V           Rated voltage (III/2)         630 V           Connection in acc. with standard         EN-VDE           Nominal current I <sub>N</sub> 17.5 A           Nominal cross section         1.5 mm²           Maximum load current         22 A           Insulating material         PA           Solder pin surface         Sn           Inflammability class according to UL 94         VO           Internal cylindrical gage         A1           Stripping length         7 mm           Number of positions         4           Screw thread         M3           Tightening torque, min         0.5 Nm	Insulating material group	I
Rated surge voltage (III/2)         4 kV           Rated voltage (III/2)         400 V           Rated voltage (III/2)         630 V           Connection in acc. with standard         EN-VDE           Nominal current IN         17.5 A           Nominal cross section         1.5 mm²           Maximum load current         22 A           Insulating material         PA           Solder pin surface         Sn           Inflammability class according to UL 94         V0           Internal cylindrical gage         A1           Stripping length         7 mm           Number of positions         4           Screw thread         M3           Tightening torque, min         0.5 Nm	Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)         250 V           Rated voltage (III/2)         400 V           Rated voltage (III/2)         630 V           Connection in acc. with standard         EN-VDE           Nominal current I <sub>N</sub> 17.5 A           Nominal cross section         1.5 mm²           Maximum load current         22 A           Insulating material         PA           Solder pin surface         Sn           Inflammability class according to UL 94         V0           Internal cylindrical gage         A1           Stripping length         7 mm           Number of positions         4           Screw thread         M3           Tightening torque, min         0.5 Nm	Rated surge voltage (III/2)	4 kV
Rated voltage (III/2) 400 V Rated voltage (III/2) 630 V Connection in acc. with standard EN-VDE Nominal current I <sub>N</sub> 17.5 A Nominal cross section 1.5 mm² Maximum load current I <sub>N</sub> 22 A Insulating material PA Solder pin surface Sn Inflammability class according to UL 94 V0 Internal cylindrical gage A1 Stripping length 7 mm Number of positions 4 Screw thread M3 Tightening torque, min 0.5 Nm	Rated surge voltage (II/2)	4 kV
Rated voltage (II/2)  Connection in acc. with standard  EN-VDE  Nominal current I <sub>N</sub> Nominal cross section  1.5 mm²  Maximum load current  22 A  Insulating material  Solder pin surface  Inflammability class according to UL 94  Vo  Internal cylindrical gage  A1  Stripping length  Number of positions  4  Screw thread  M3  Tightening torque, min  630 V  630 V  64  EN-VDE  630 V  64  67 mm  69 V  60 V	Rated voltage (III/3)	250 V
Connection in acc. with standard  Nominal current I <sub>N</sub> 17.5 A  Nominal cross section  1.5 mm²  Maximum load current  22 A  Insulating material  PA  Solder pin surface  Inflammability class according to UL 94  Vo  Internal cylindrical gage  A1  Stripping length  Number of positions  4  Screw thread  Tightening torque, min  EN-VDE  17.5 A  17.5 A  18.4  19.4  19.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5  10.5	Rated voltage (III/2)	400 V
Nominal current I <sub>N</sub> Nominal cross section  1.5 mm²  Maximum load current  22 A  Insulating material  PA  Solder pin surface  Inflammability class according to UL 94  Vo  Internal cylindrical gage  A1  Stripping length  Number of positions  4  Screw thread  Tightening torque, min  17.5 A  17.5 A  17.5 A  17.5 A  17.5 M  18.5 mm²  19.4  22 A  PA  Vo  Vo  M3  10.5 Nm	Rated voltage (II/2)	630 V
Nominal cross section  1.5 mm²  Maximum load current  22 A  Insulating material  PA  Solder pin surface  Inflammability class according to UL 94  Internal cylindrical gage  A1  Stripping length  Number of positions  4  Screw thread  Tightening torque, min  1.5 mm²  1.5 mm²  1.5 mm²  A  A  A  A  A  B  A  A  A  A  A  A  A	Connection in acc. with standard	EN-VDE
Maximum load current  Insulating material  PA  Solder pin surface  Sn  Inflammability class according to UL 94  Vo  Internal cylindrical gage  A1  Stripping length  7 mm  Number of positions  4  Screw thread  M3  Tightening torque, min  22 A  22 A  A1  A1  A1  A1  A1  A1  A1  A1  A1	Nominal current I <sub>N</sub>	17.5 A
Insulating material PA  Solder pin surface Sn  Inflammability class according to UL 94 V0  Internal cylindrical gage A1  Stripping length 7 mm  Number of positions 4  Screw thread M3  Tightening torque, min 0.5 Nm	Nominal cross section	1.5 mm²
Solder pin surface  Inflammability class according to UL 94  V0  Internal cylindrical gage  A1  Stripping length  7 mm  Number of positions  4  Screw thread  M3  Tightening torque, min  Sn  Sn  V0  Nn  V0  A1  A1  Tightening torque, min	Maximum load current	22 A
Inflammability class according to UL 94  Internal cylindrical gage  A1  Stripping length  7 mm  Number of positions  4  Screw thread  M3  Tightening torque, min  V0  A1  A1  Tightening torque, min  V0  A1  A1  Tightening torque, min  V0  A1  A1  A1  A1  A1  A1  A1  A1  A1  A	Insulating material	PA
Internal cylindrical gage A1 Stripping length 7 mm Number of positions 4 Screw thread M3 Tightening torque, min 0.5 Nm	Solder pin surface	Sn
Stripping length 7 mm  Number of positions 4  Screw thread M3  Tightening torque, min 0.5 Nm	Inflammability class according to UL 94	V0
Number of positions 4 Screw thread M3 Tightening torque, min 0.5 Nm	Internal cylindrical gage	A1
Screw thread M3 Tightening torque, min 0.5 Nm	Stripping length	7 mm
Tightening torque, min 0.5 Nm	Number of positions	4
	Screw thread	M3
Tightening torque max 0.6 Nm	Tightening torque, min	0.5 Nm
	Tightening torque max	0.6 Nm

#### Connection data

Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section stranded min.	0.14 mm²
Conductor cross section stranded max.	1.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
2 conductors with same cross section, solid min.	0.14 mm²
2 conductors with same cross section, solid max.	1 mm²
2 conductors with same cross section, stranded min.	0.14 mm²
2 conductors with same cross section, stranded max.	0.75 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>



# PCB terminal block - MKDSP 1,5/4 - 1730036

## Technical data

#### Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	14

## Classifications

### eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401

#### **ETIM**

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

#### UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / SEV / cUL Recognized / GOST / CCA / IECEE CB Scheme / GOST / SEV / cULus Recognized



# PCB terminal block - MKDSP 1,5/ 4 - 1730036

# Approvals

Ex Approvals	
Approvals submitted	
Approval details	

CSA 1		
	В	D
mm²/AWG/kcmil	28-14	28-14
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

UL Recognized <b>\$1</b>		
	В	D
mm²/AWG/kcmil	30-14	30-14
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

SEV	
mm²/AWG/kcmil	2.5
Nominal current IN	22 A
Nominal voltage UN	250 V

cUL Recognized		
	В	D
mm²/AWG/kcmil	30-14	30-14
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V



# PCB terminal block - MKDSP 1,5/4 - 1730036

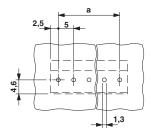
# Approvals

GOST		
CCA		
IECEE CB Scheme CB		
GOST C		
SEV		
mm²/AWG/kcmil	2.5	
Nominal current IN	22 A	
Nominal voltage UN	250 V	

cULus Recognized CSUs

## Drawings

#### Drilling diagram



#### Dimensioned drawing

